

Gamma Irradiation of Hydrolyzed  
Heart Valve Cusps in the Presence of PPG 400

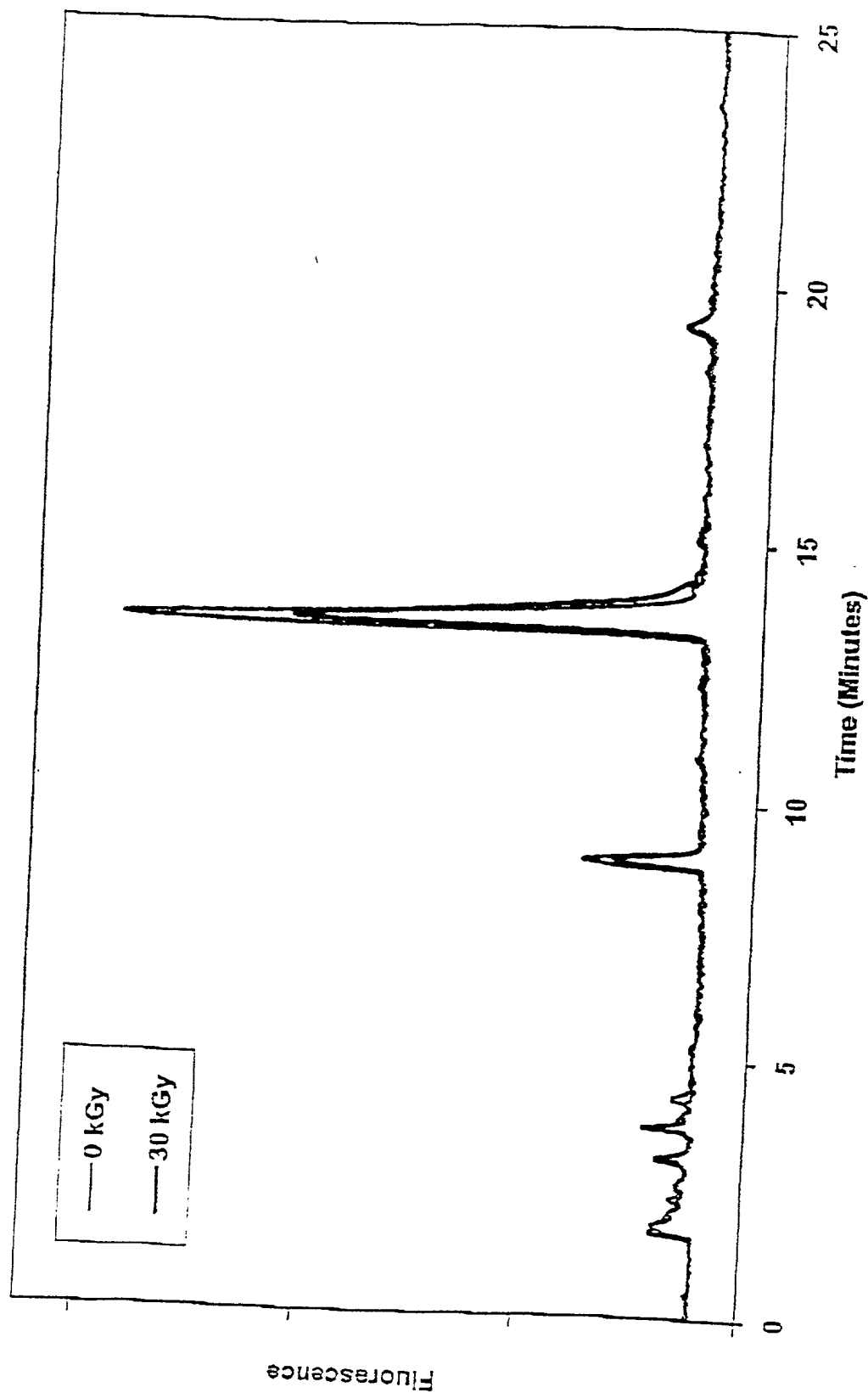


Figure 1a

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PPG 400 and 125 mM Trolox C

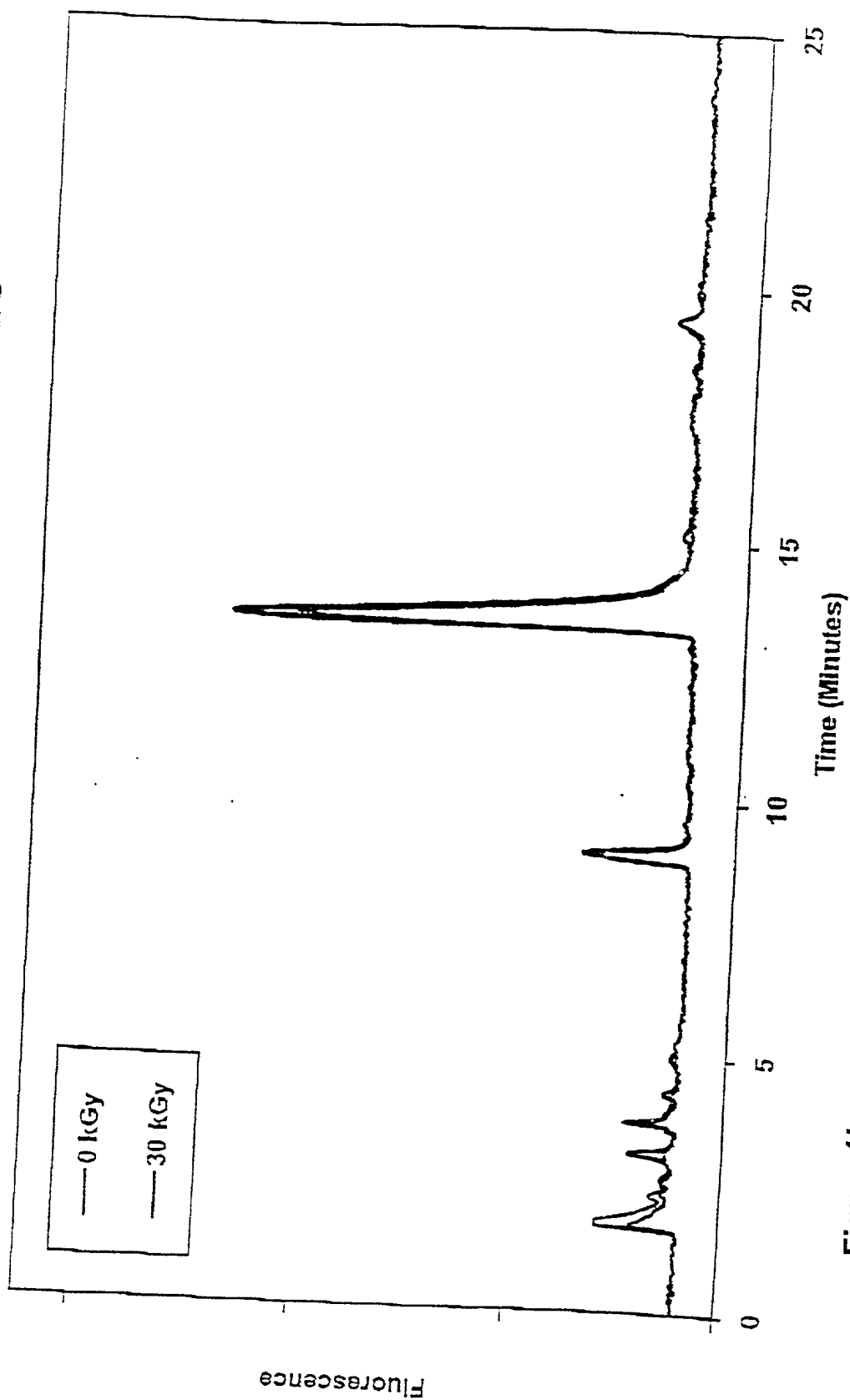


Figure 1b

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence  
of PPG 400 and a Stabilizer Mixture of 62.5mM Trolox, 100mM Lipoic  
Acid, 100mM Coumaric Acid, and 100mM n-Propyl Gallate

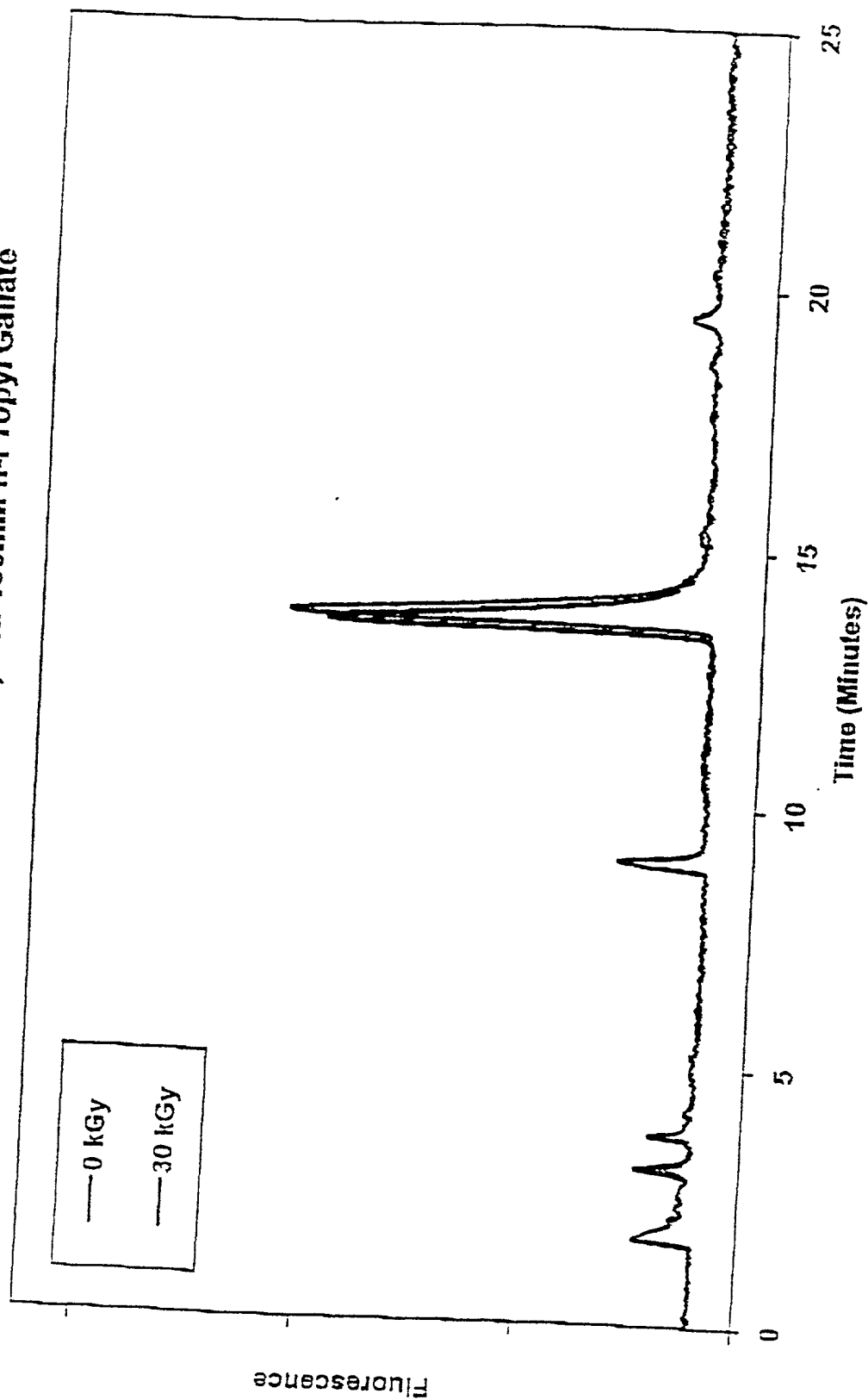


Figure 1c

# Valve Cusps in the Presence of PPG400 with Various Stabilizers Gamma Irradiation of Porcine Heart

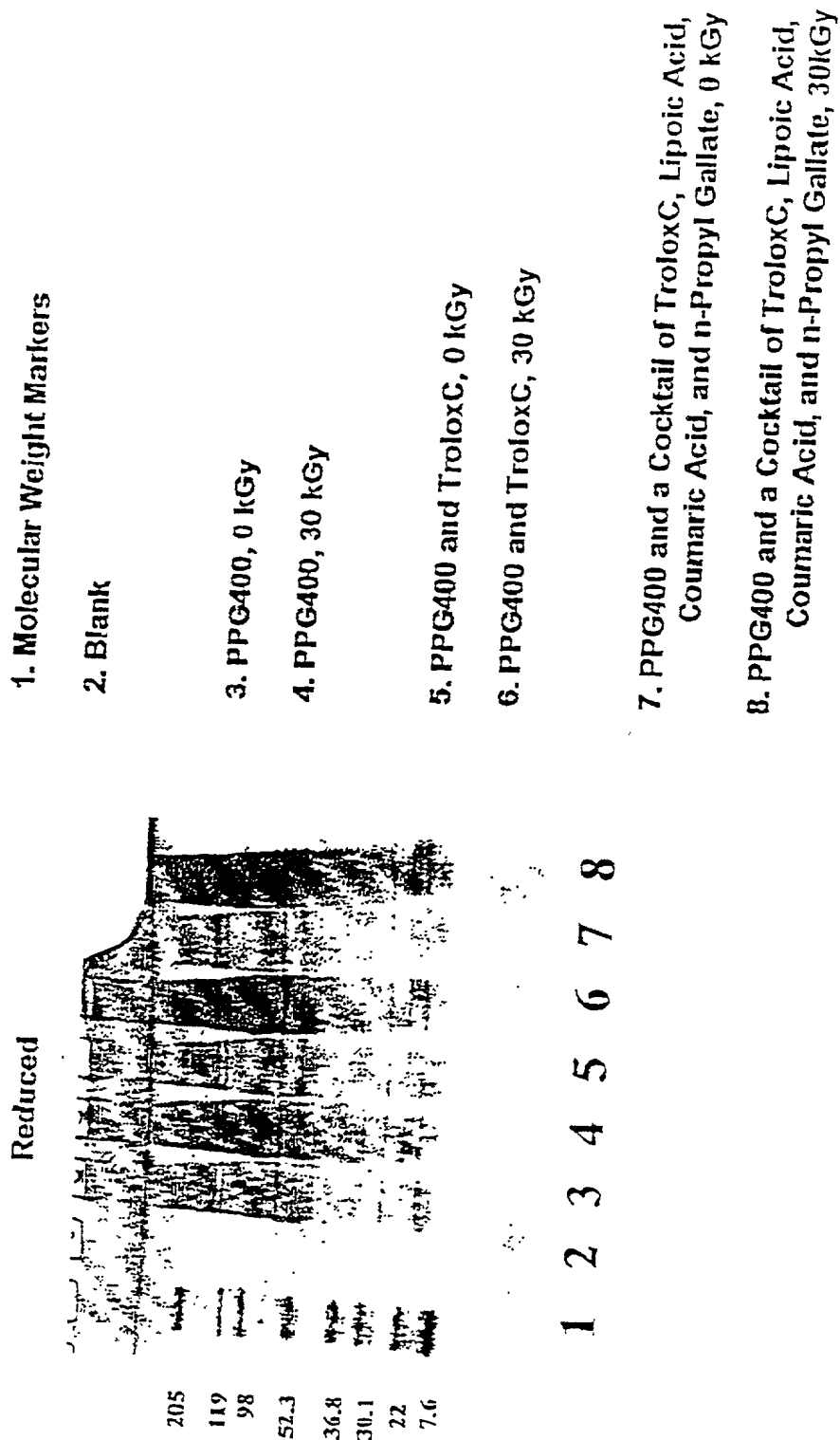


Figure 1d

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PBS

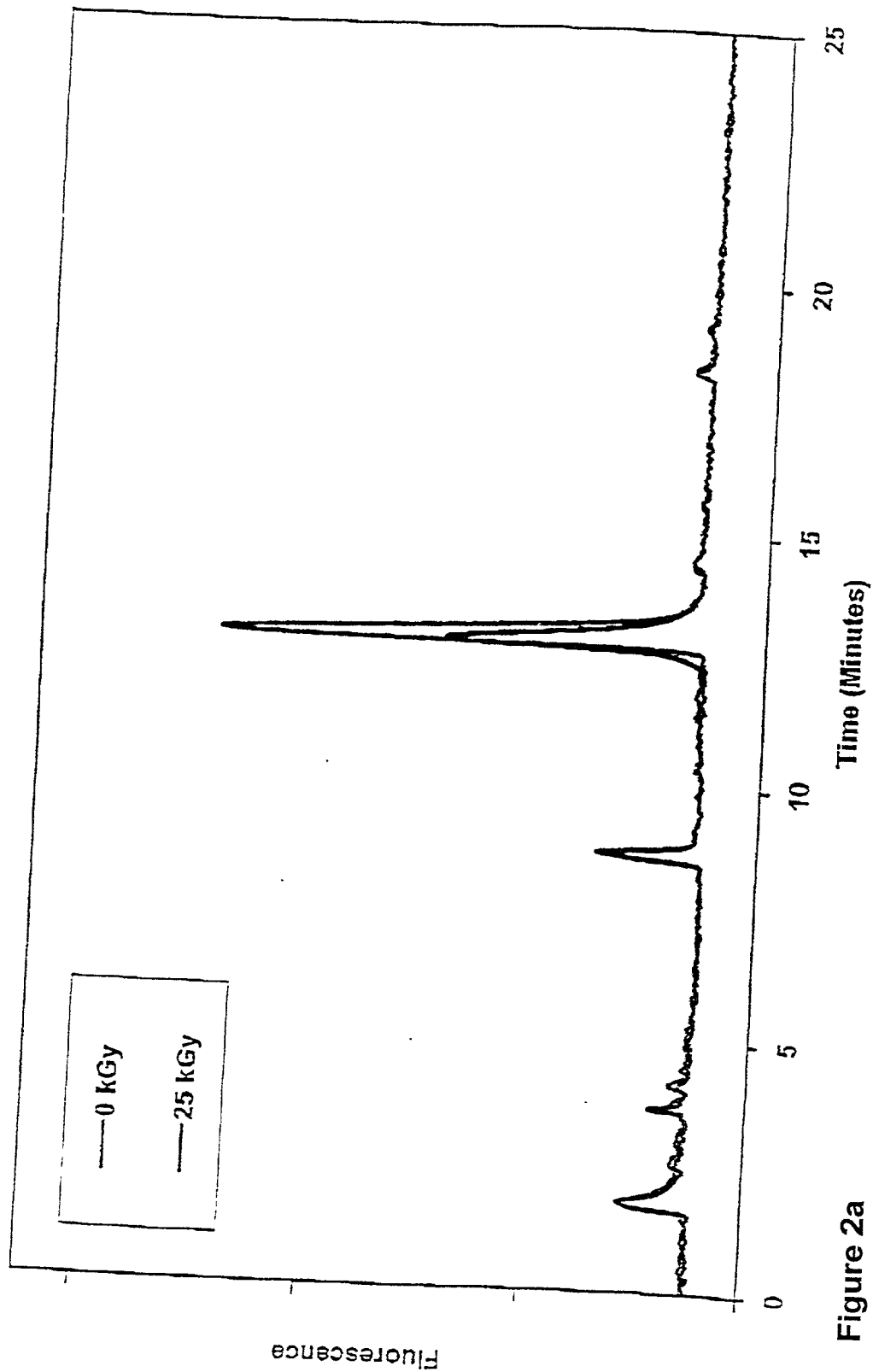


Figure 2a

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PPG 400

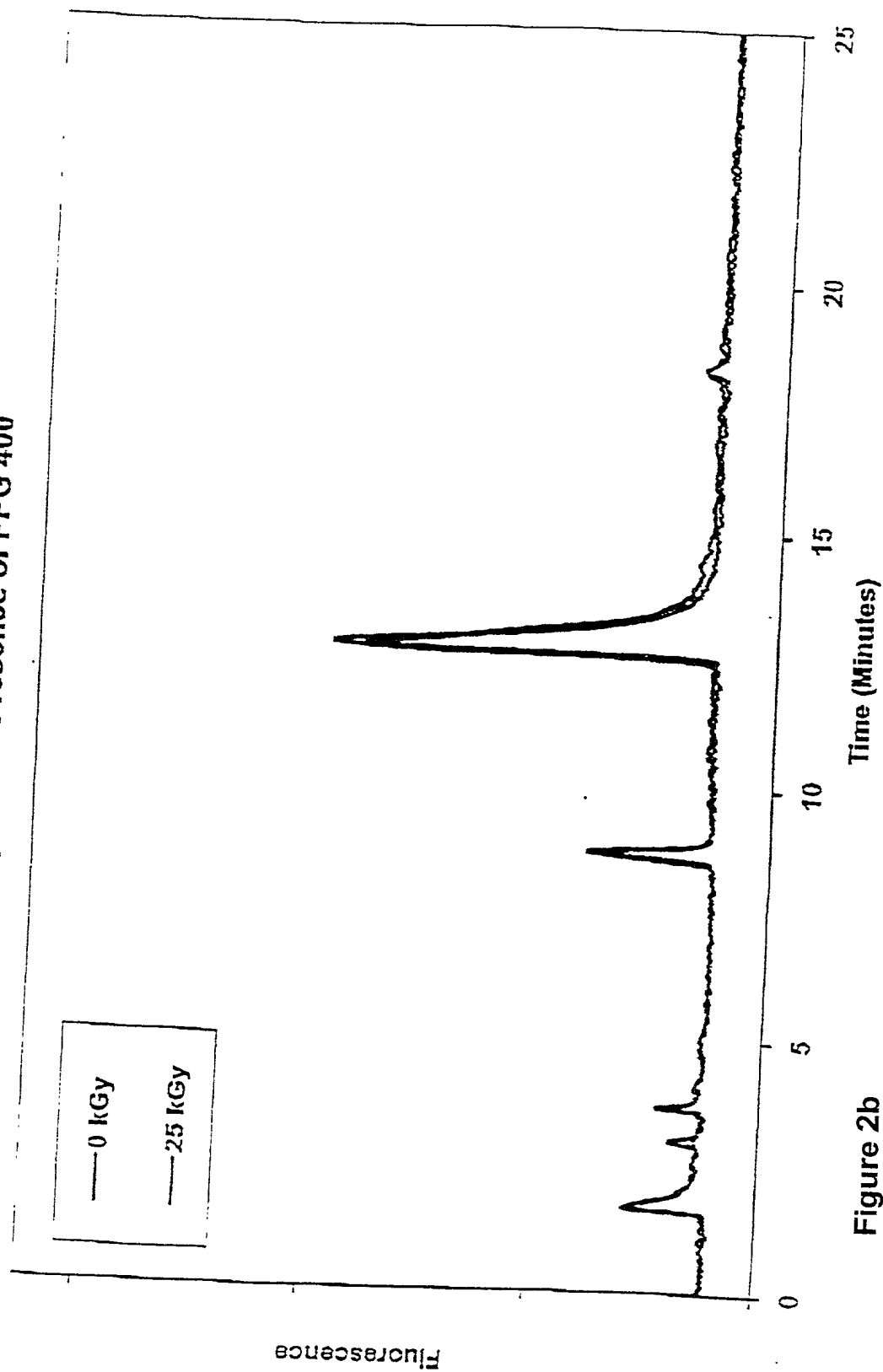


Figure 2b

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of 50% DMSO

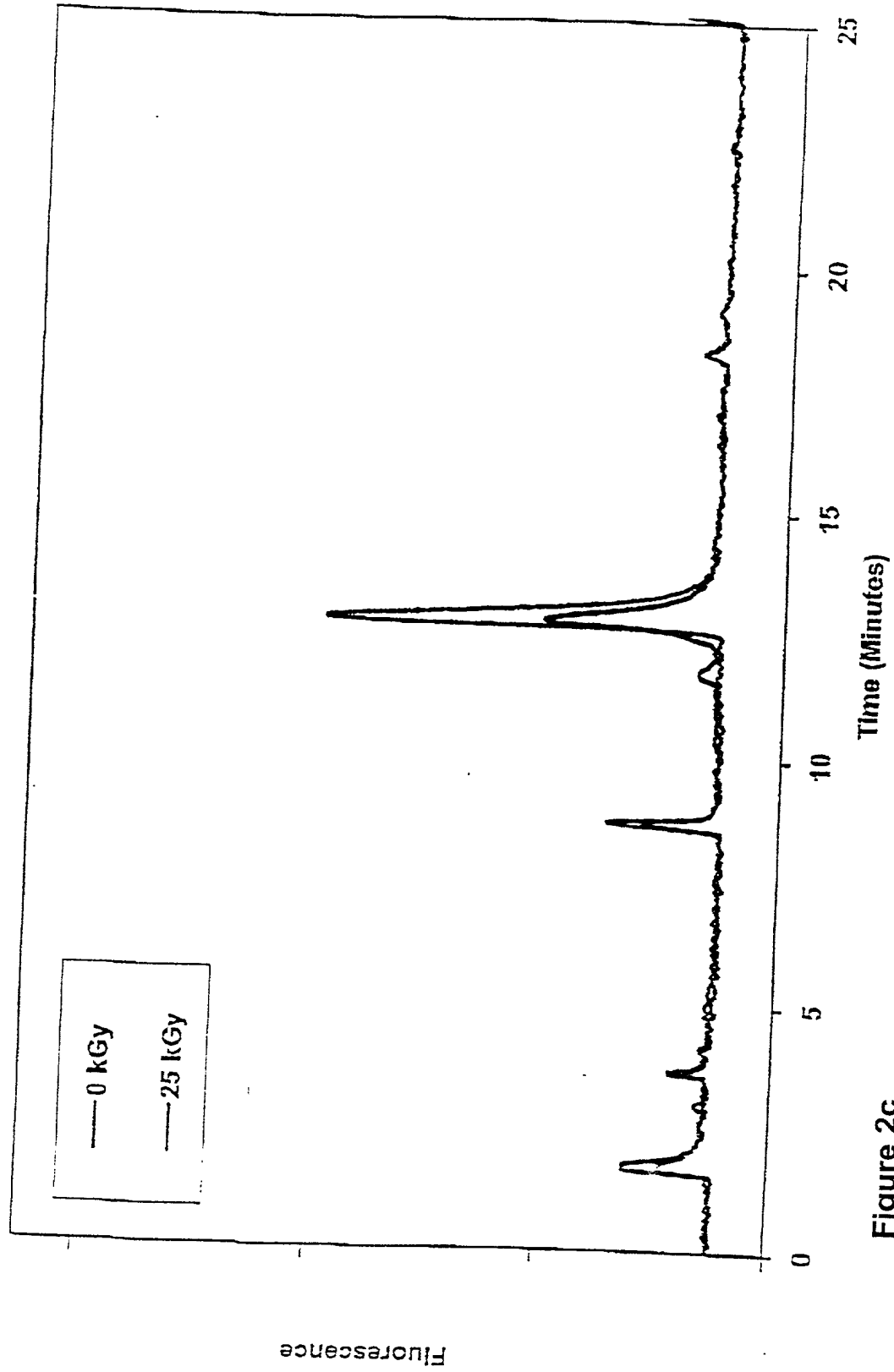
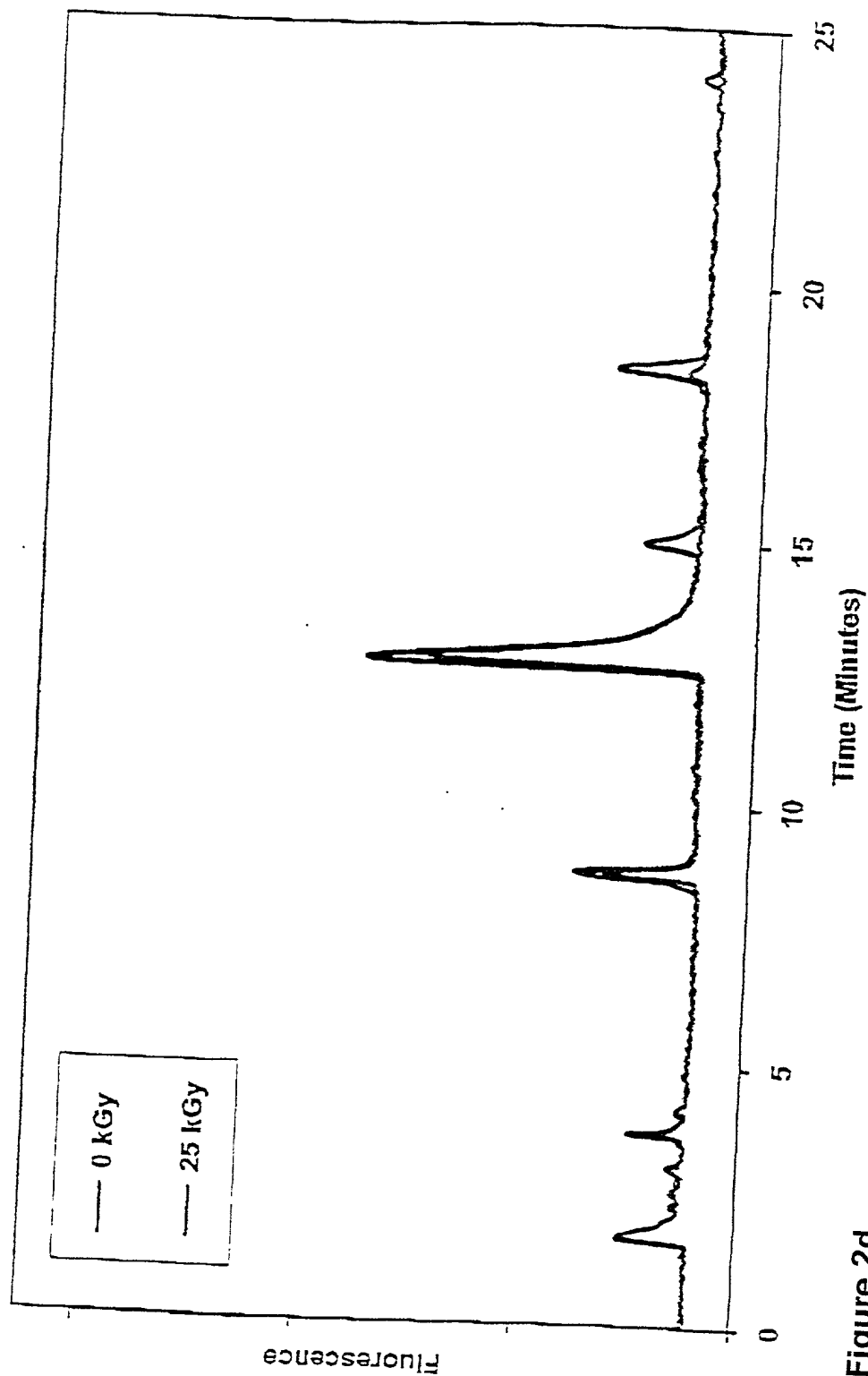


Figure 2c

**Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50% DMSO and a Stabilizer Mixture of 167 mM Ascorbate, 166 mM Coumaric Acid, and 100 mM n-Propyl Gallate**



**Figure 2d**



# Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

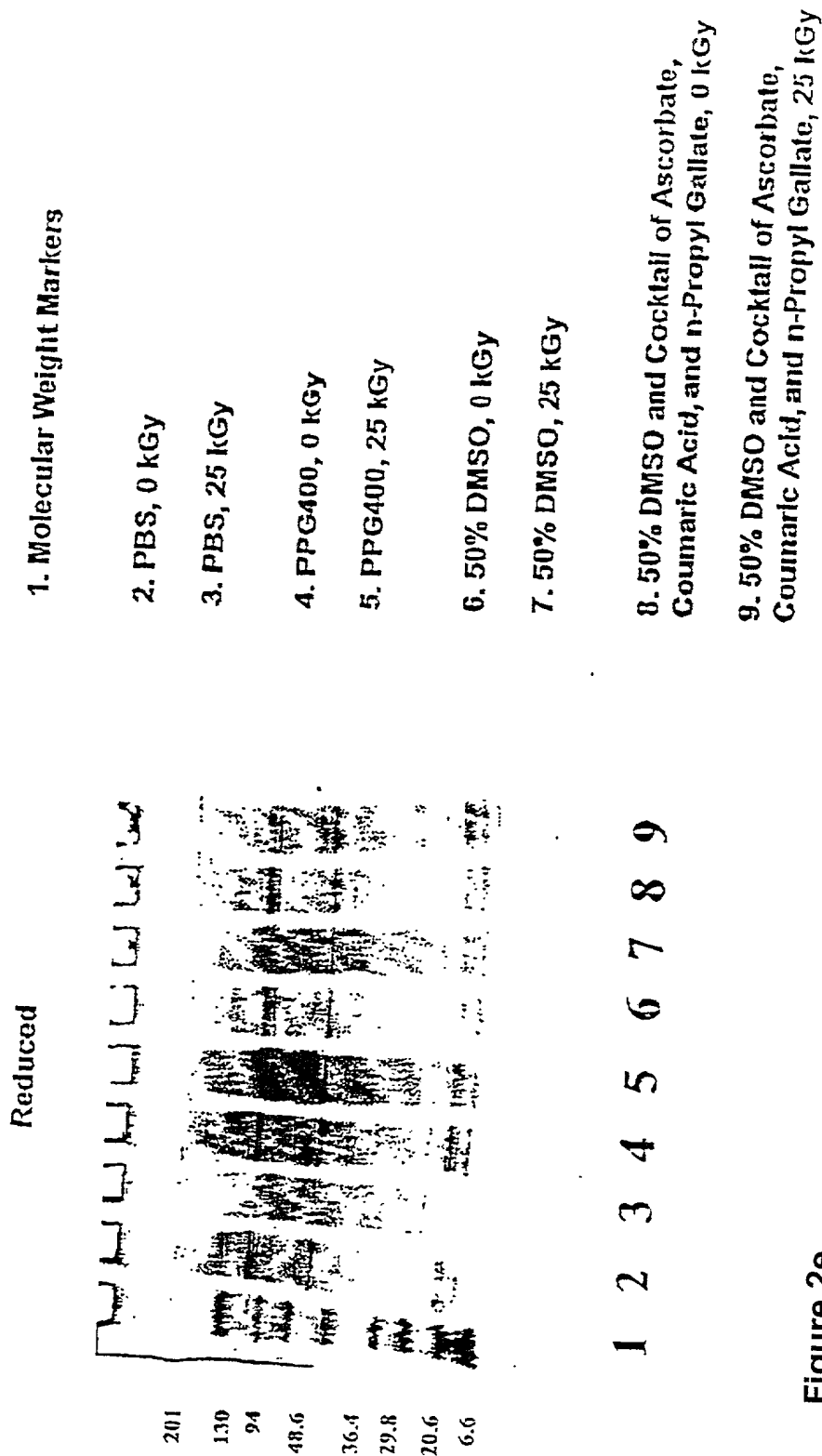


Figure 2e

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PBS

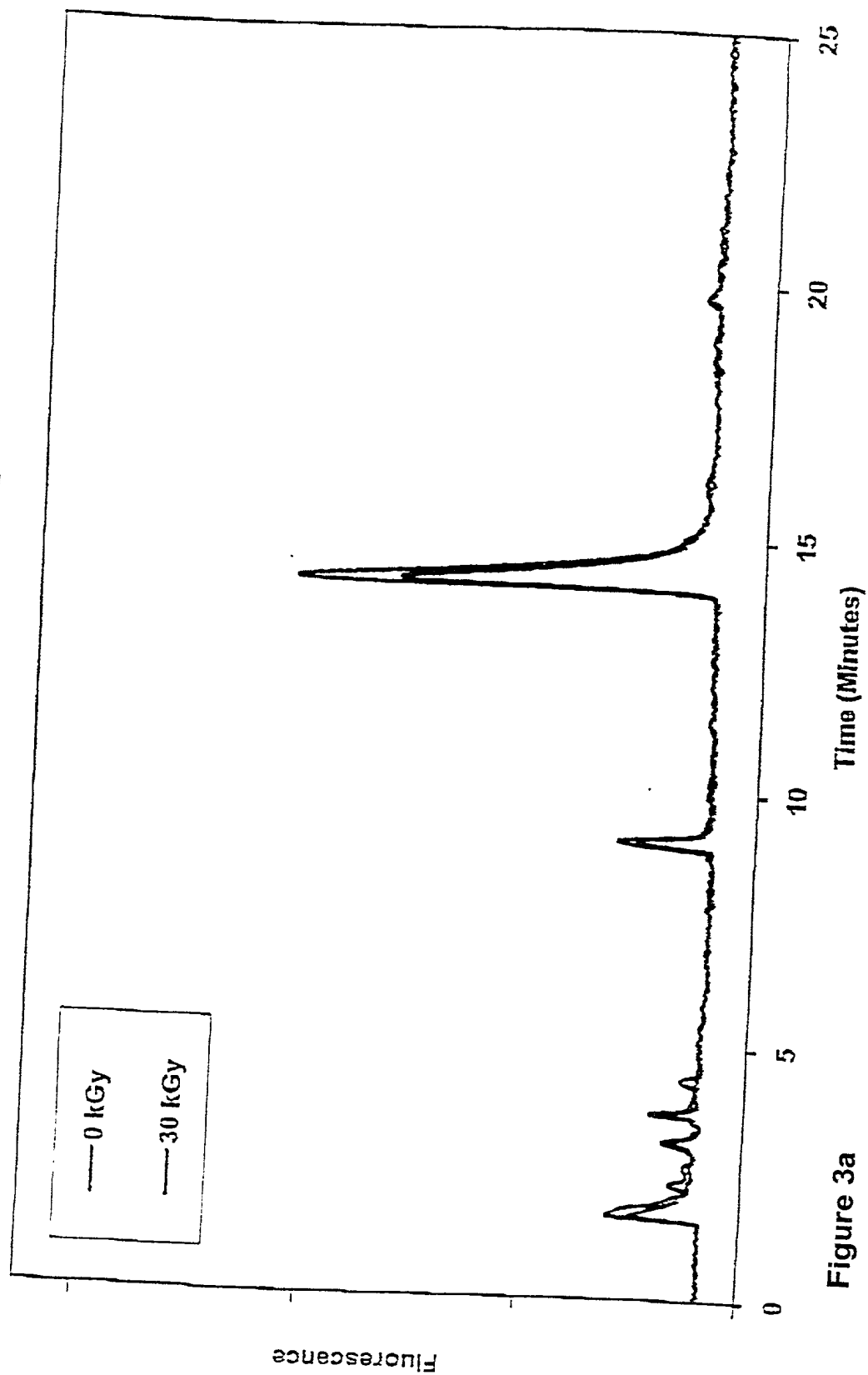


Figure 3a

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of a Cryopreservative (Containing Approximately 20% DMSO)

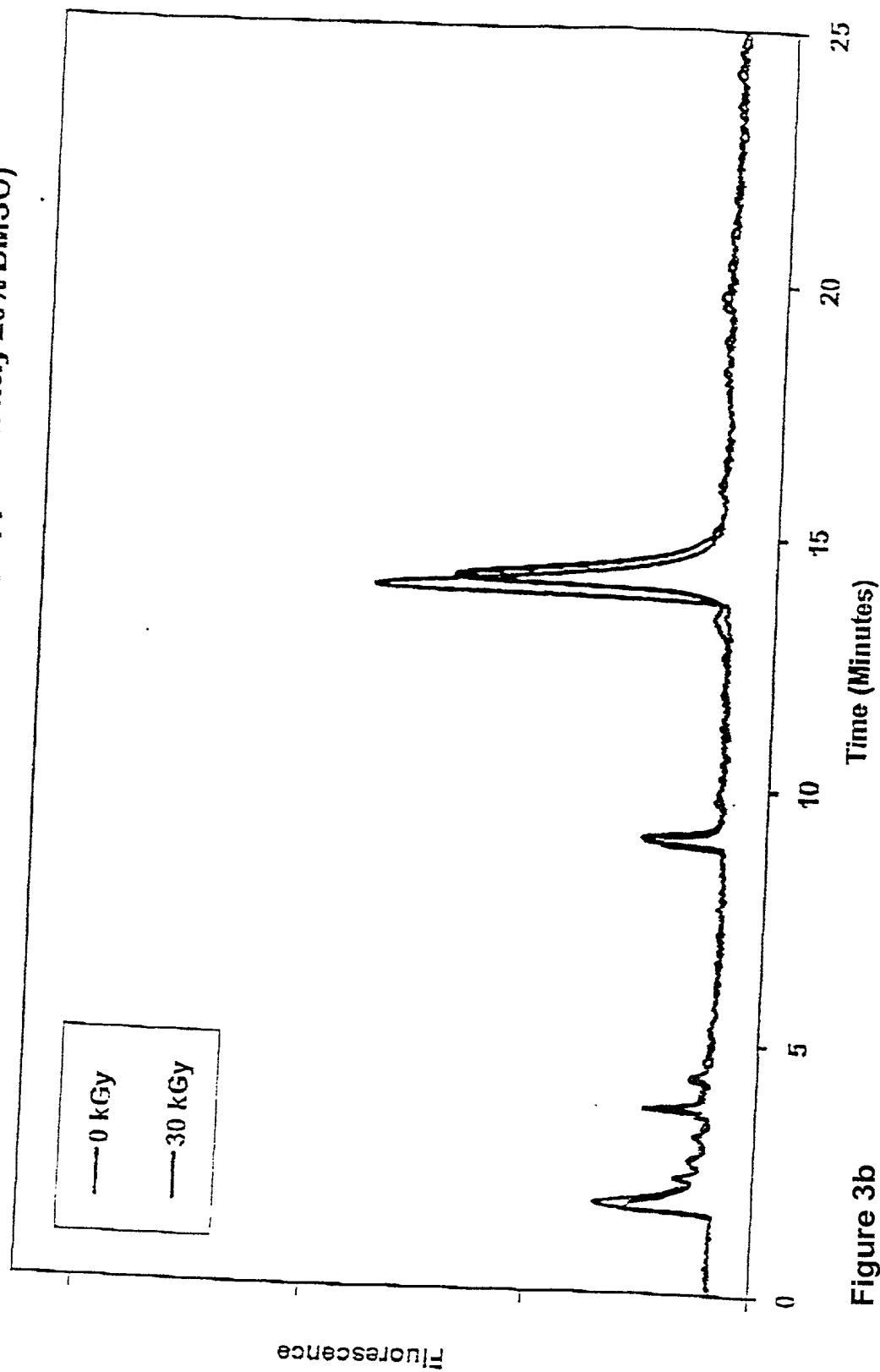


Figure 3b

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of 50% DMSO

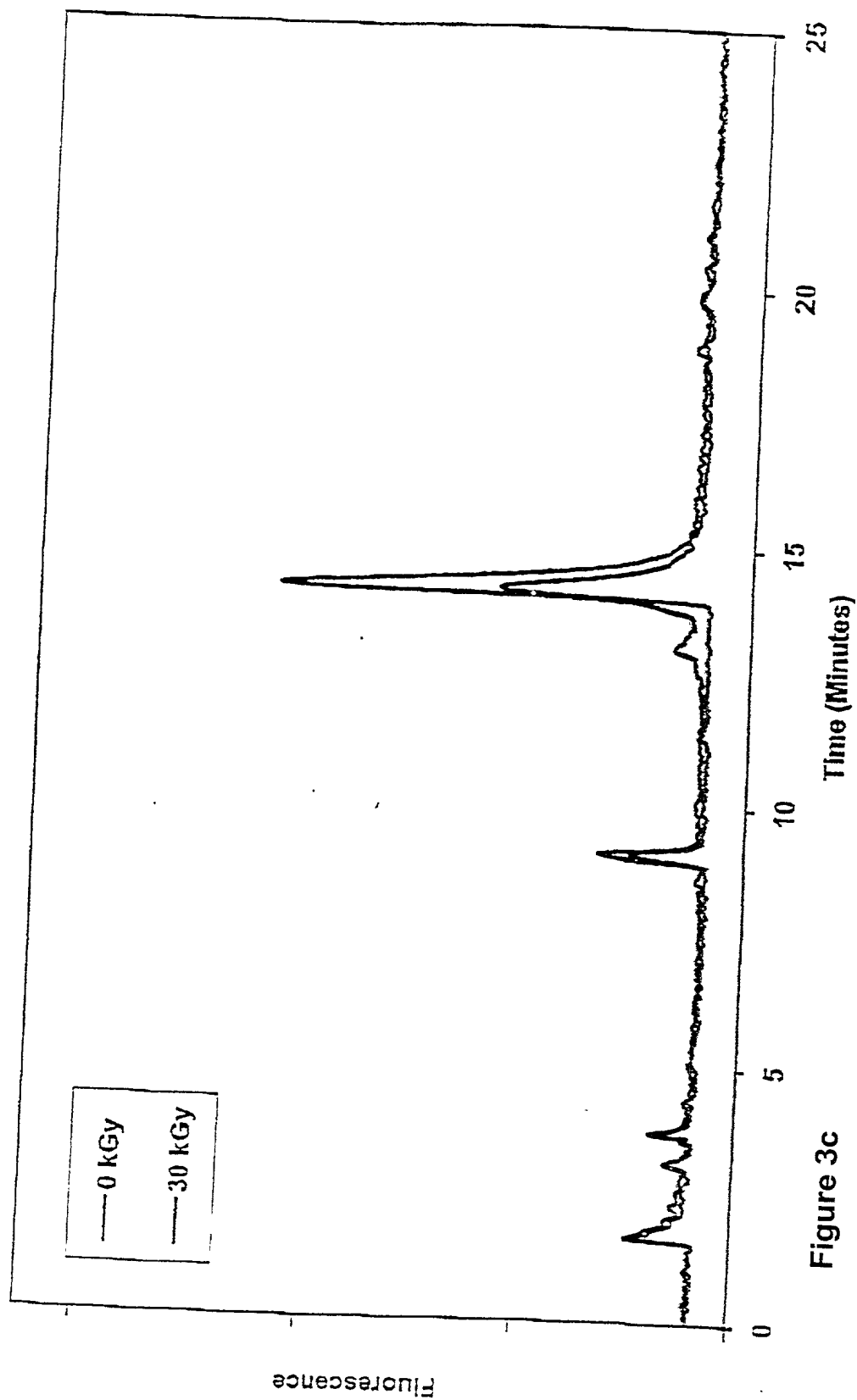


Figure 3c

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50% DMSO and Ascorbate

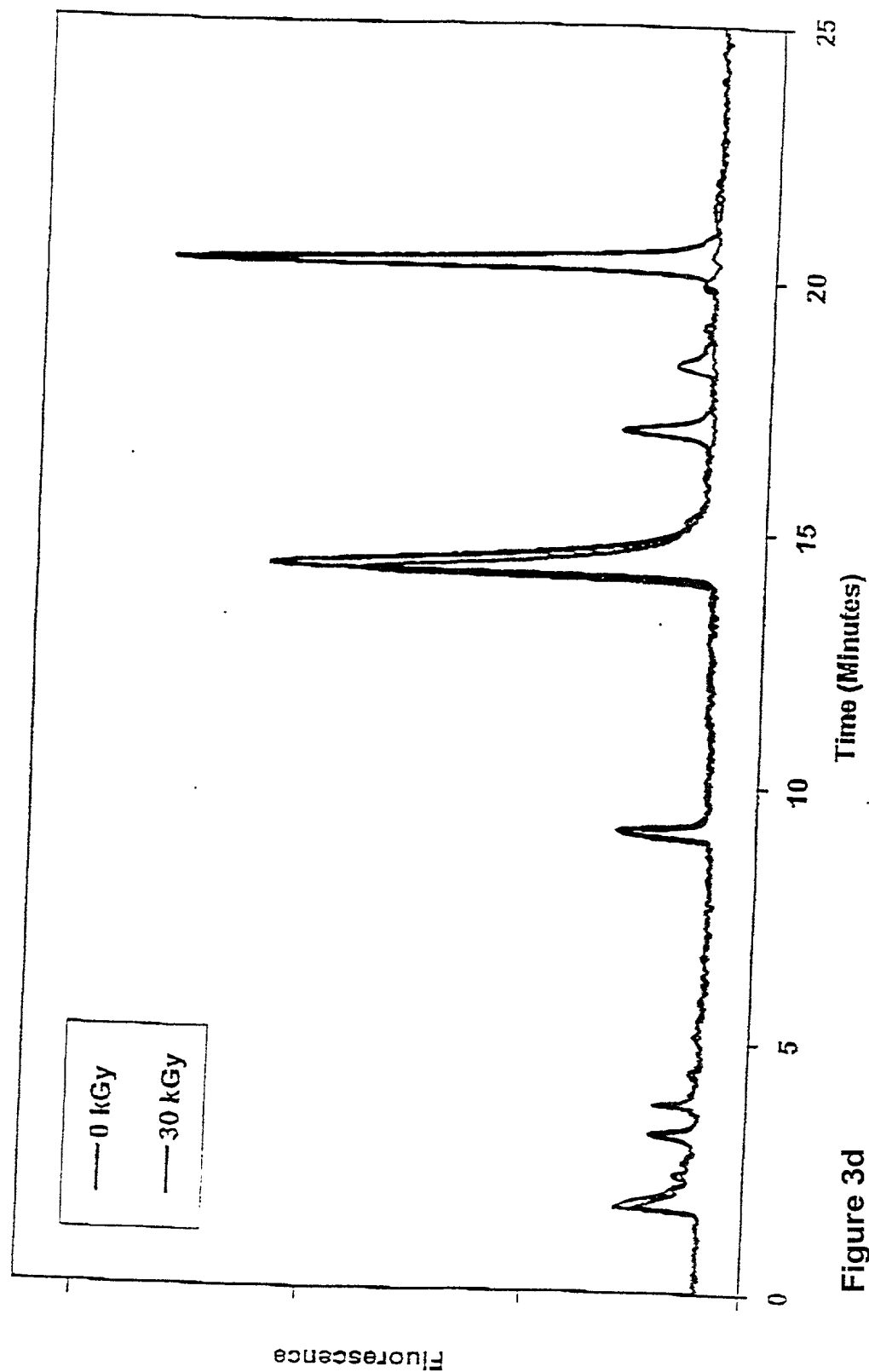


Figure 3d

# Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

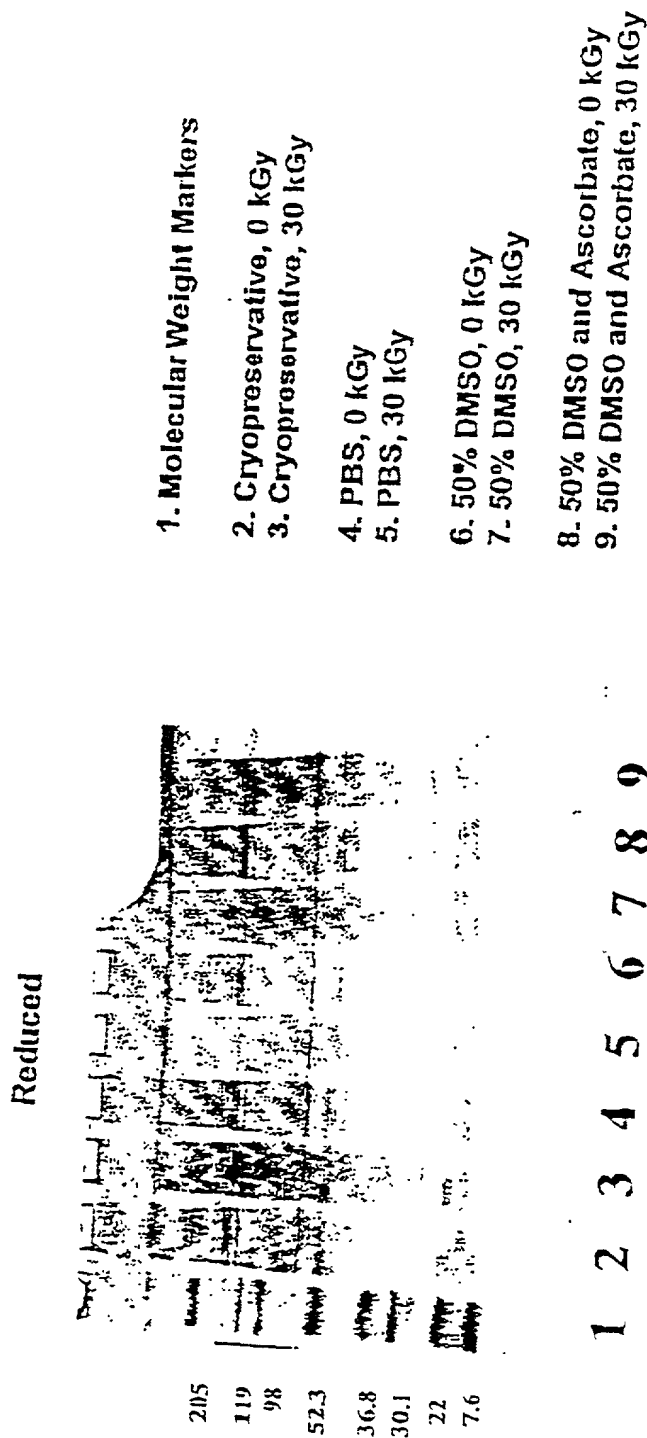


Figure 3e

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of PBS

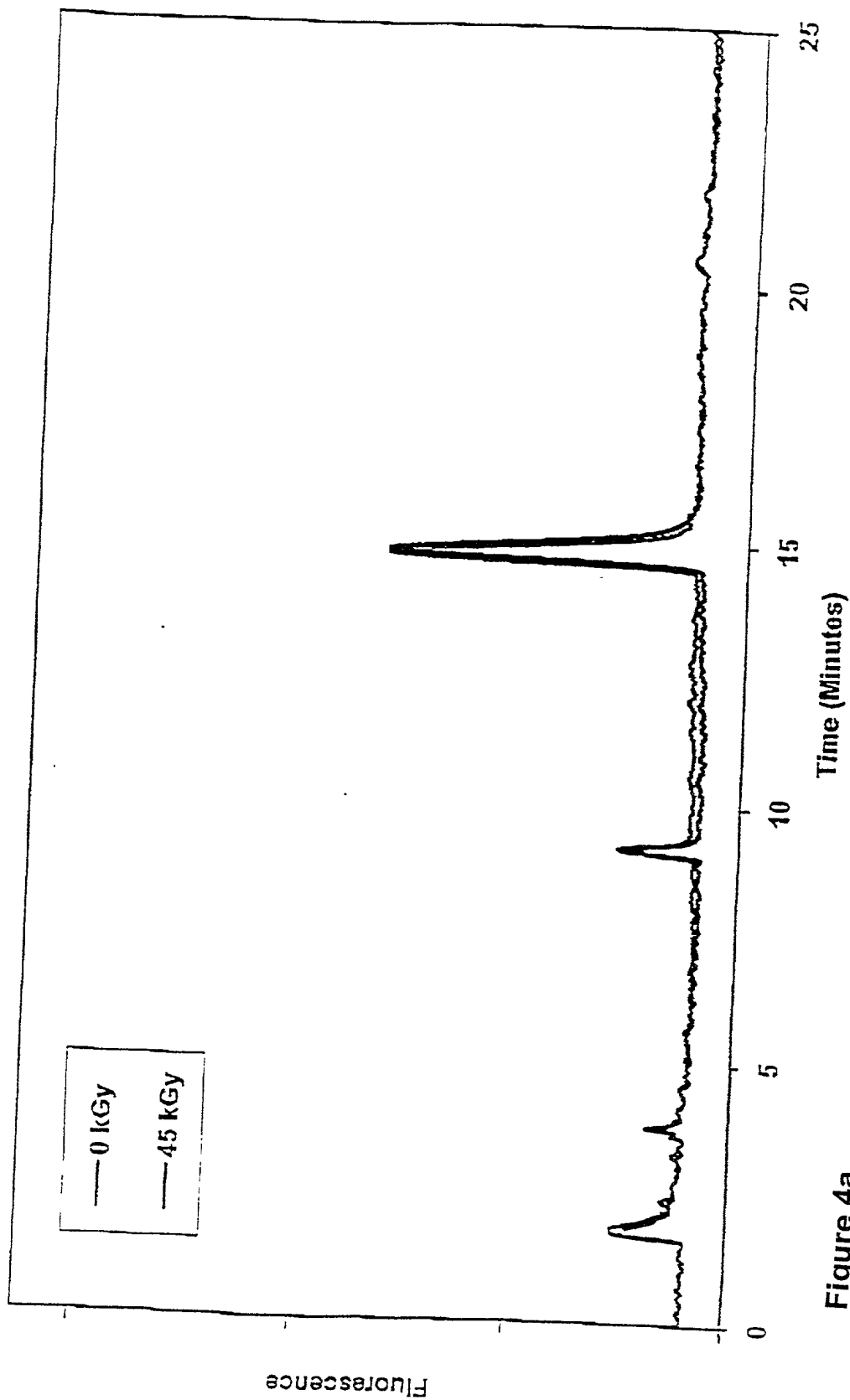


Figure 4a

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of PBS and Ascorbate

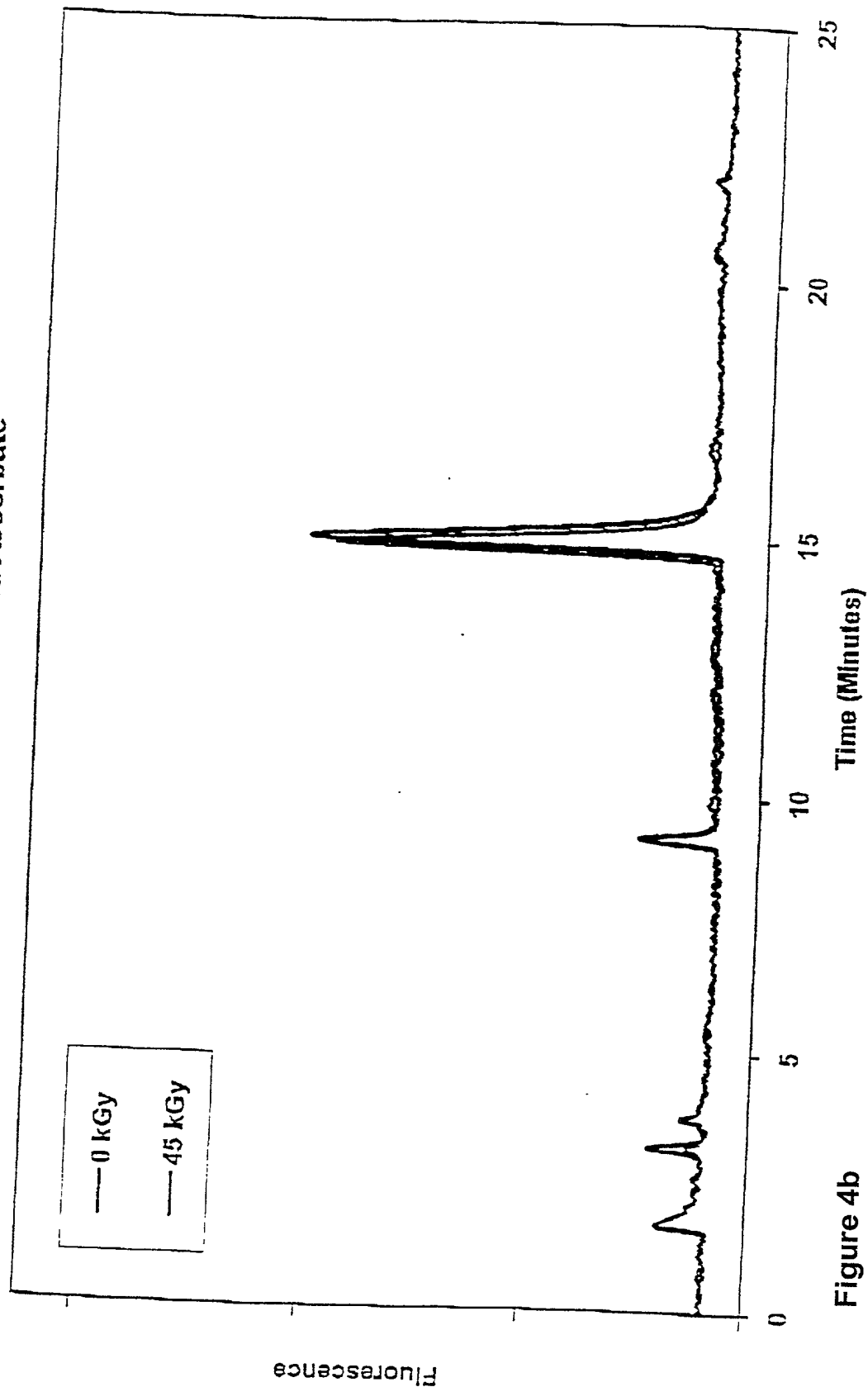


Figure 4b



Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of PPG 400

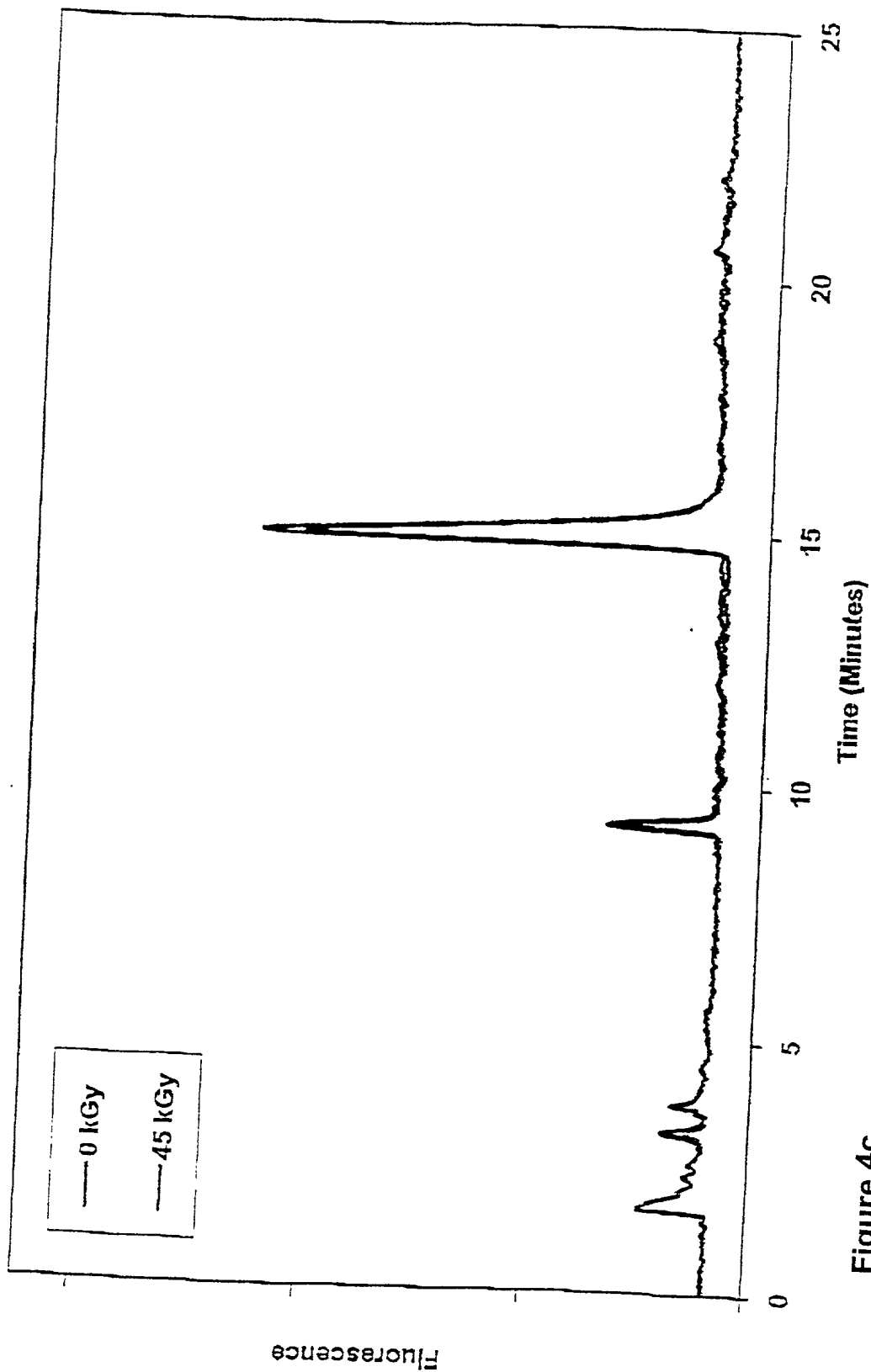


Figure 4c

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps Dehydrated with PPG 400 and Rehydrated in the Presence of PBS and Ascorbate

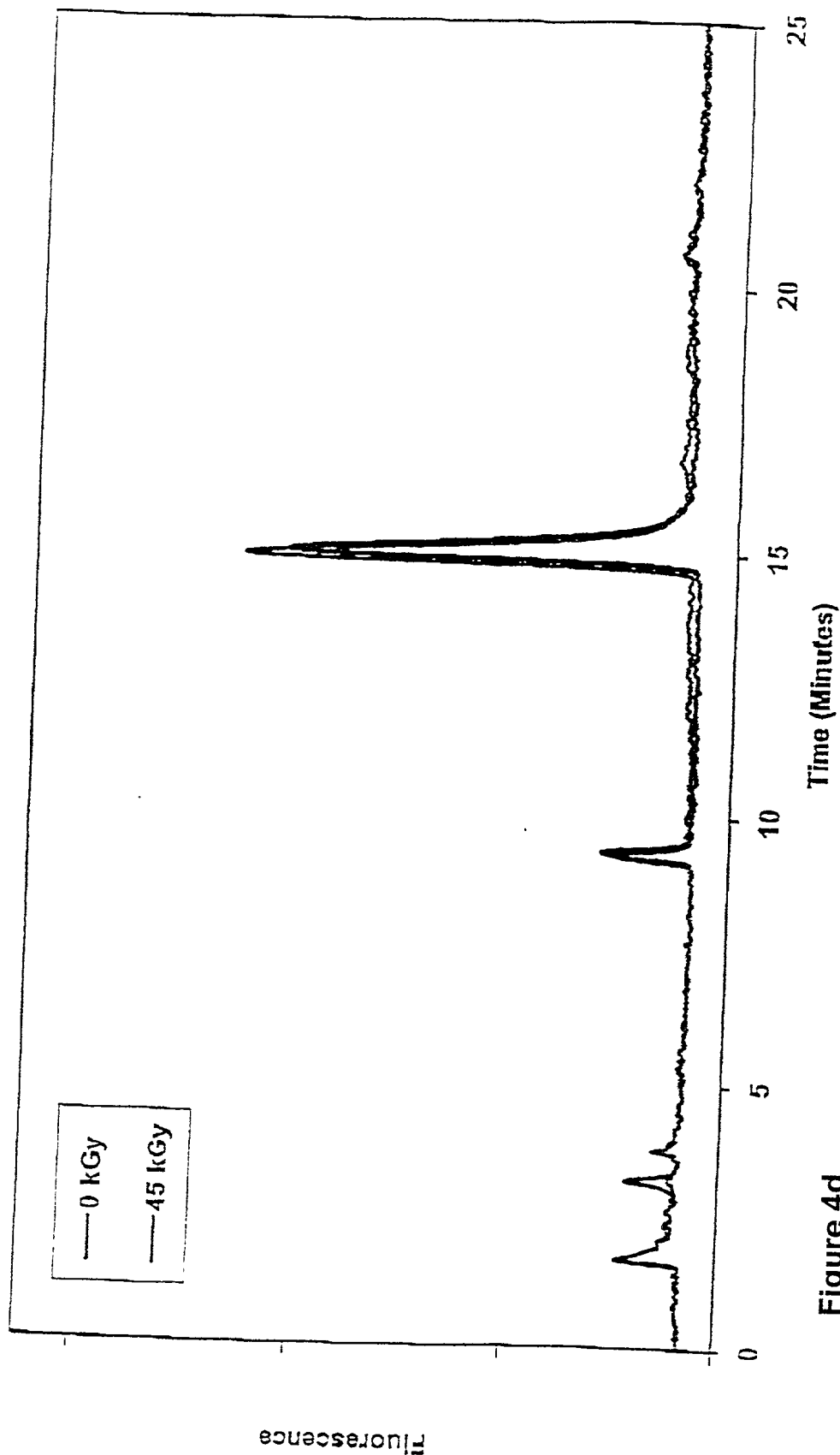


Figure 4d

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of 50% DMSO

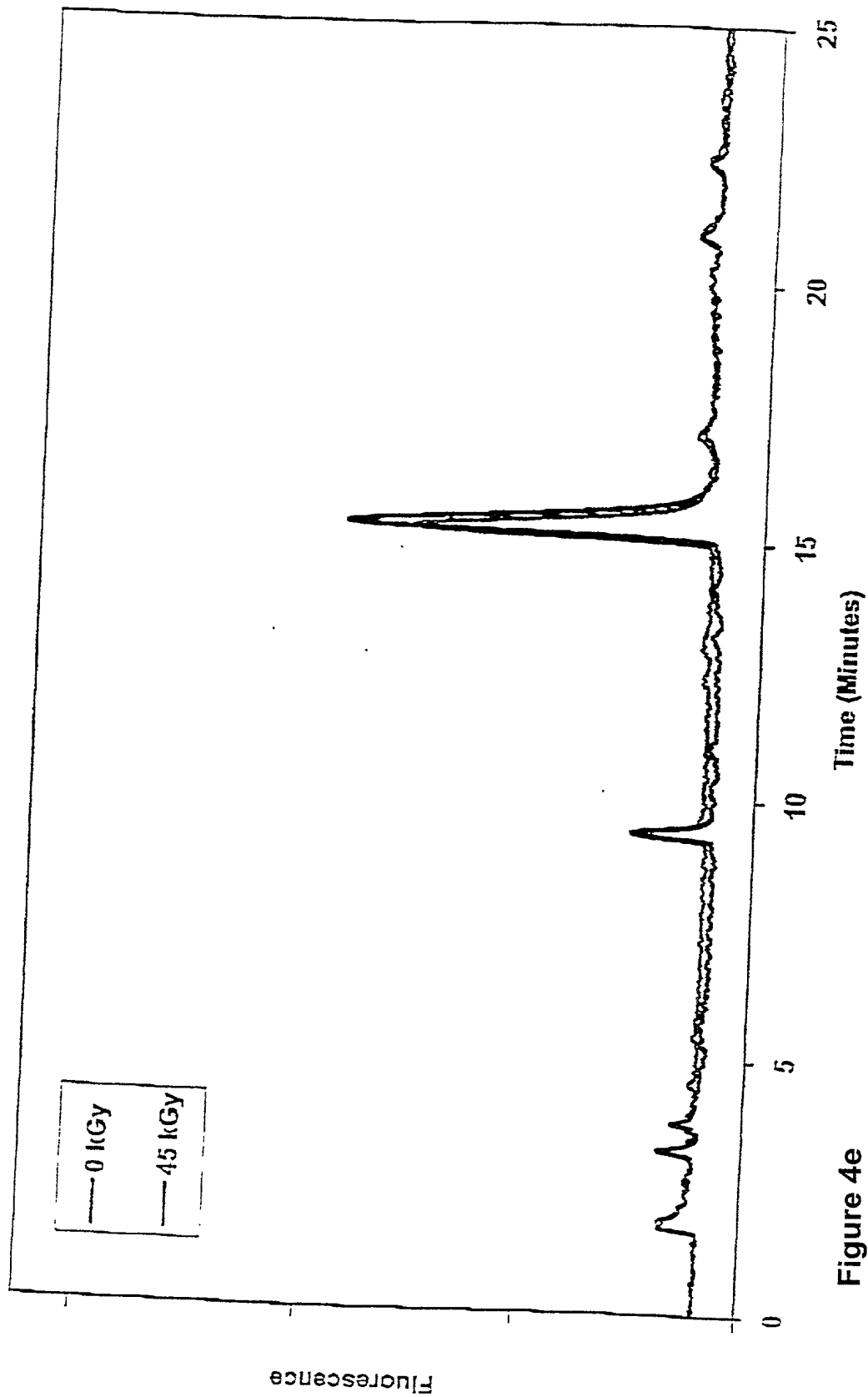


Figure 4e

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of 50% DMSO and Ascorbate

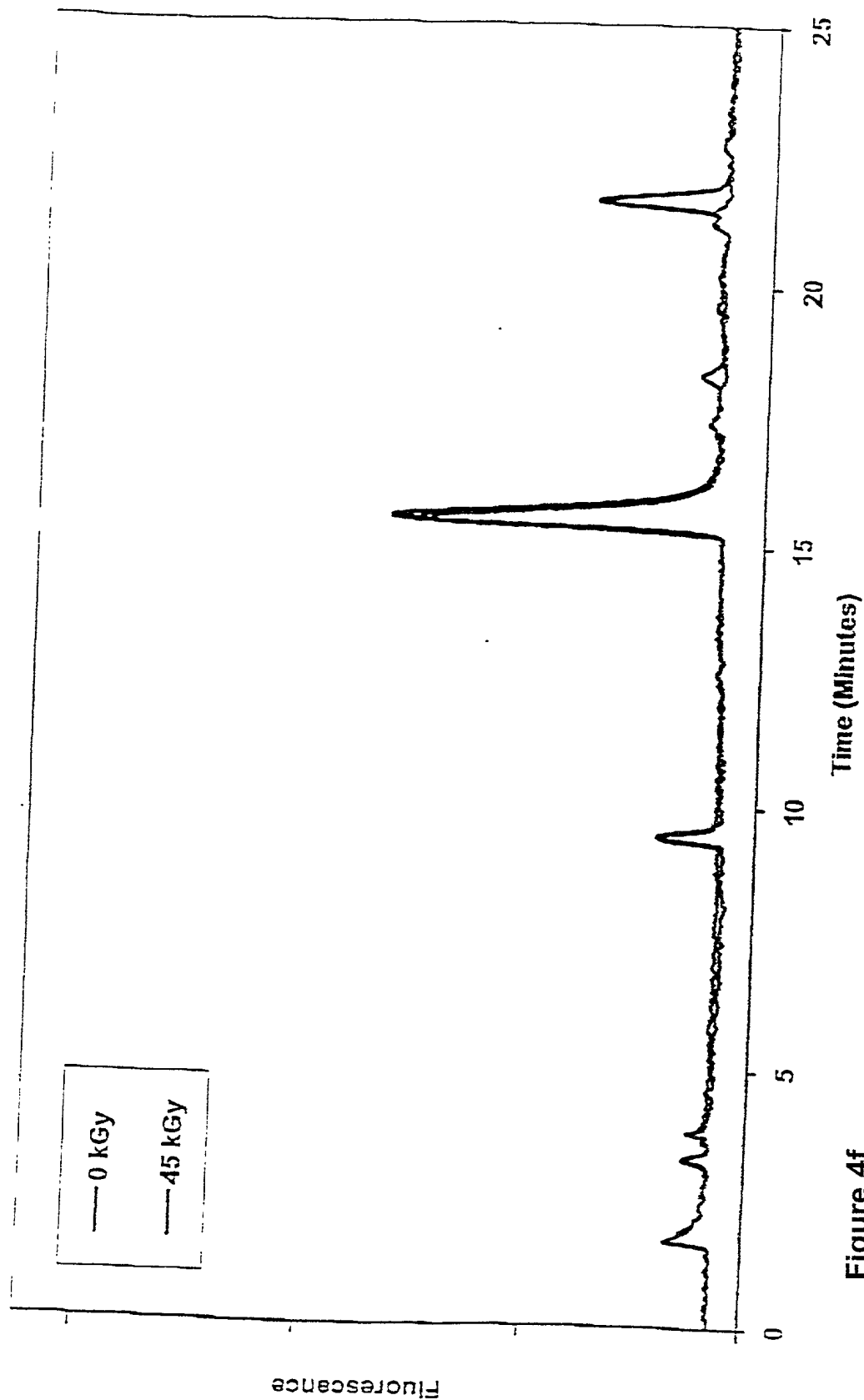


Figure 4f

# Gamma Irradiation of Porcine Heart

1. Molecular Weight Markers

2. PBS, 0 kGy

3. PBS, 45 kGy

4. PBS and Ascorbate, 0 kGy

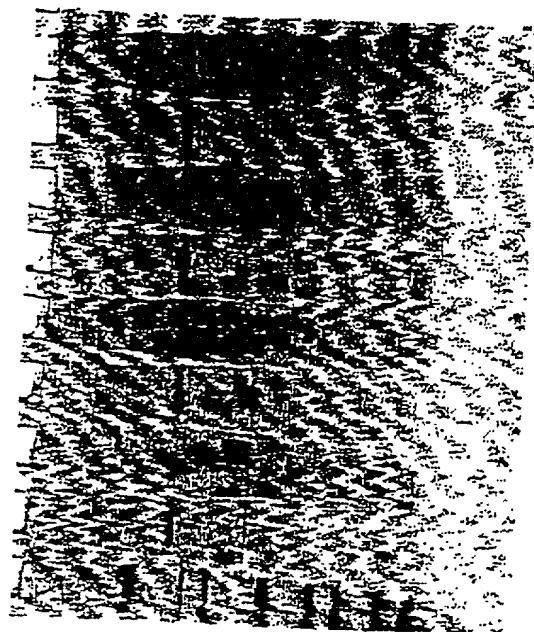
5. PBS and Ascorbate, 45 kGy

6. PPG400, 0 kGy

7. PPG400, 45 kGy

8. Dehydrated in PPG400 and Rehydrated  
with PBS and Ascorbate, 0 kGy

9. Dehydrated in PPG400 and Rehydrated  
with PBS and Ascorbate, 45 kGy



1 2 3 4 5 6 7 8 9

Figure 4g

# Valve Cusps in the Presence of Various Solvents

## Gamma Irradiation of Porcine Heart

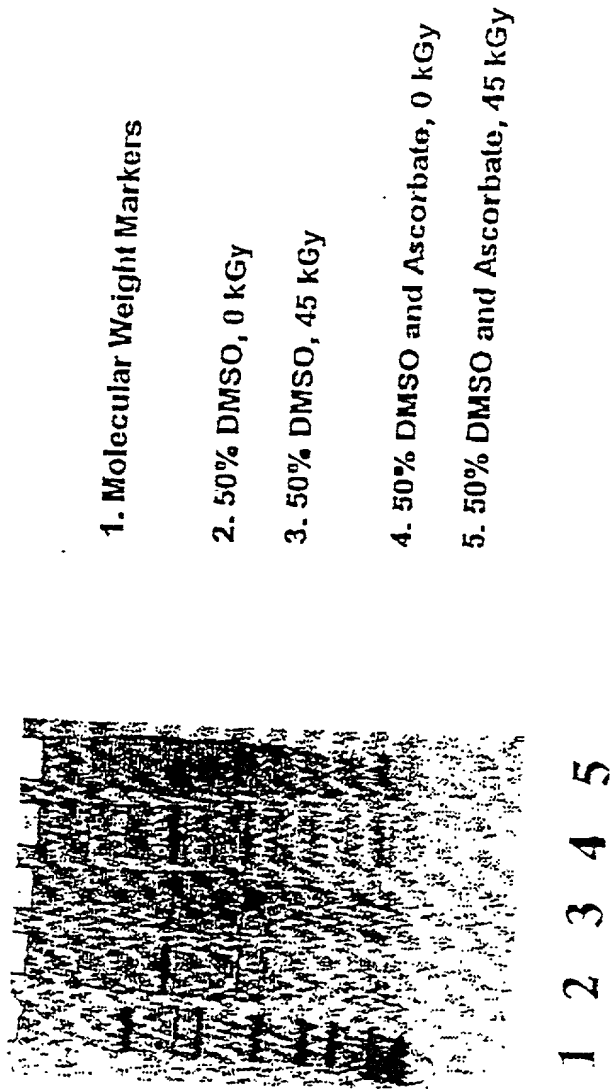


Figure 4h